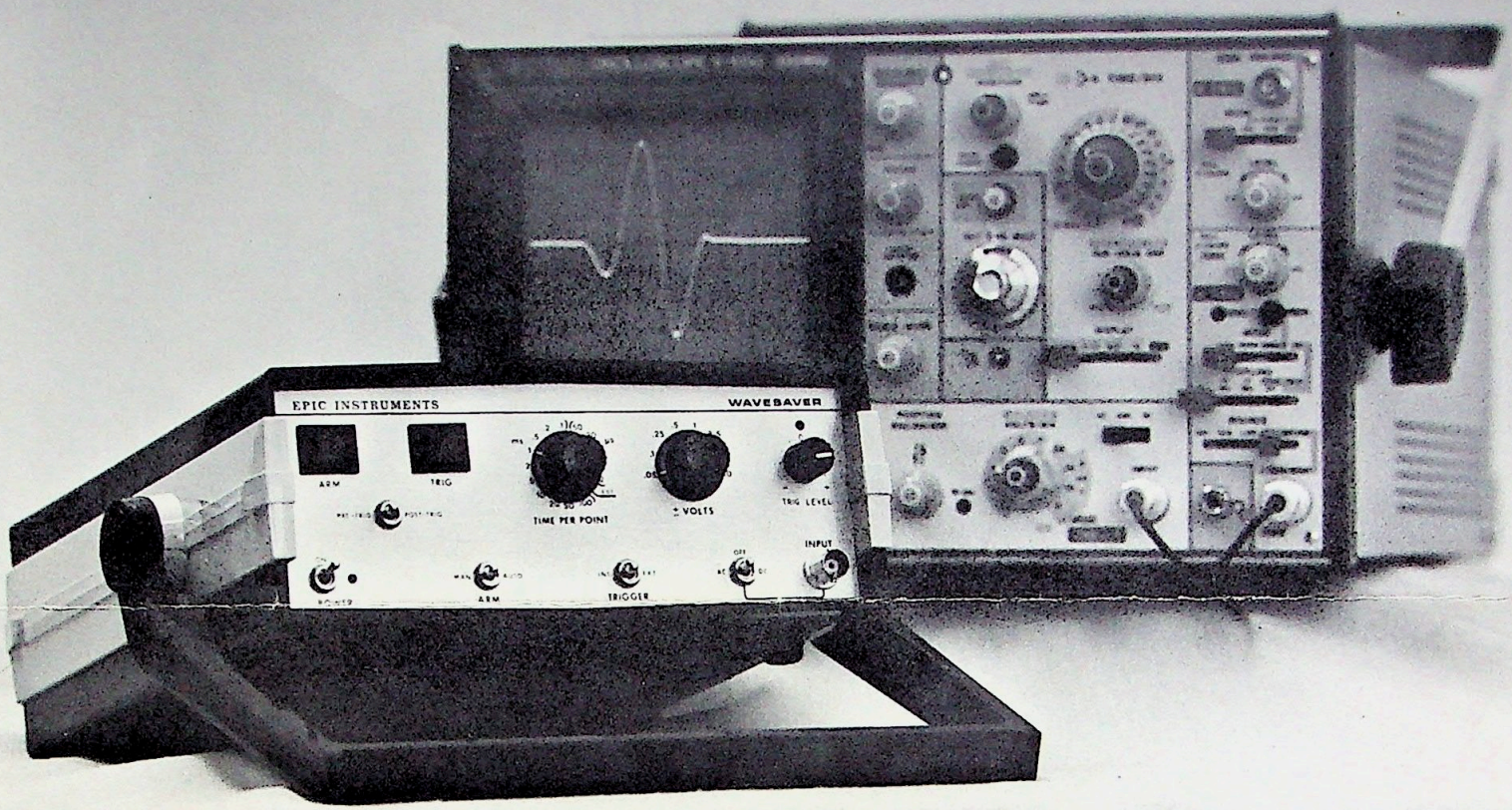


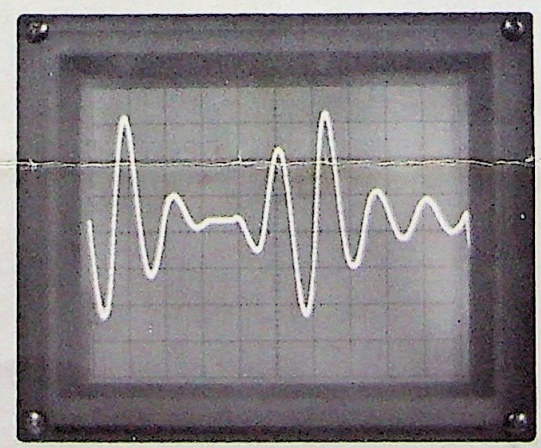
The WAVESAVER is a digital waveform recorder capable of storing transient analog signals and waveforms for display on any oscilloscope.

Imagine being able to capture the signal occurring before or after the trigger point, with precise, flicker-free recordings down to DC, or with the Auto Arm function the WAVESAVER can record signals in a semi-real-time mode.

With the WAVESAVER you can expand the capabilities of any oscilloscope.

At the touch of a button the WAVESAVER will record and display complex waveforms and transients with a resolution of 1024 bits horizontally and 8 bits (256) steps vertically (1k × 8 memory).

The WAVESAVER is not just for oscilloscopes either, its output is chart recorder compatible; effectively increasing the frequency response of chart recorders to 2μs (500khz) per point.



The digital output interface lets you extract data in digital form.

The applications are endless. In biomedical, industrial, general lab work and in countless other fields the WAVESAVER would ease and simplify the problems in waveform analysis.

To order your WAVESAVER please see your local distributor or contact Epic Instruments Inc., 551-G Foster City Blvd., Foster City, CA 94404, USA.
(415) 574-9081

Now You Can Store Waveforms On Any Oscilloscope

WAVESAVER

THE DIGITAL WAVEFORM RECORDER

SPECIFICATIONS

MEMORY SIZE:		1024 x 8
VERTICAL RESOLUTION:		256 steps (8 bits)
MAXIMUM DIGITIZING RATE:		2μs per point (500khz)
RECORDING RATES—	INTERNAL CLOCK:	2μs to 100ms per point, crystal controlled in 1, 2 and 5 steps
	EXTERNAL CLOCK:	2μs to DC
MAXIMUM INPUT SENSITIVITY:		±50mv Full Scale, (for a full scale display output of 8 volts)
MINIMUM INPUT SENSITIVITY:		±10 volts Full Scale, (for a full scale display output of 8 volts)
INPUT IMPEDANCE (ALL RANGES):		1 megohm, 15pf max.
MAXIMUM SIGNAL INPUT LEVEL:		±50volts continuous, ±75volts transient
INTERNAL TRIGGER LEVEL SENSITIVITY:		tracks input ±VOLTS selector
EXTERNAL INPUTS:		external Arm (TTL level) external Trigger (TTL level) external Clock (TTL level)
RECORDING MODES—	POST-TRIGGER:	starts recording after detecting a trigger
	PRE-TRIGGER:	stops recording after detecting a trigger
OUTPUTS—	DISPLAY OUTPUT:	8 volts Full Scale
	TRIGGER OUTPUT:	TTL level
SCOPE/PLOTTER SELECTOR:		Scope Position = 100 khz Plotter Position = 50hz (Selectable)
DIGITAL OUTPUT INTERFACE:		Eight bit data output (Standard Binary) Sync signal (Data Valid) Clock In (For clocking recorded data out of the WAVESAVER's memory.)
PHYSICAL SIZE:		L= 9.5", W = 10.1", H = 3.6"
WEIGHT:		approximately 4½ lbs
OPERATING TEMPERATURE:		40°F to 120°F
POWER REQUIREMENTS:		115 VAC, 60Hz @ 10 Watts max. (105-125 VAC, 55-65 Hz)

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